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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Jochen Kumléhn
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	4	Attorney Docket Number	13173-00023-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/LZ/	AA*	US-5,591,646	01-07-1997	Hudson et al.	
W	AB*	US-6,300,543	10-09-2001	Cass et al.	
	AC*	US-2002/0178463	11-28-2002	Hiei et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
/LZ/	BA	WO-91/02071-A2	02-21-1991	Dekalb Plant Genetics		
	BB	WO-93/18168-A2	09-16-1993	Max-Planck-Gesellschaft Zur Förderung Der Wissenschaften E.V. et al.		
	BC	WO-94/00583-A1	01-06-1994	South Dakota State University		
	BD	WO-94/00977-A1	01-20-1994	Japan Tobacco Inc.		See US 2002/0178463 and US 5,591,646
	BE	WO-94/01999-A1	02-03-1994	Carlsberg Forskningscenter		
	BF	EP-0 672 752-B1	09-20-1995	Japan Tobacco Inc.		
	BG	WO-97/48814-A2	12-24-1997	Monsanto Company		
	BH	WO-98/01576-A1	01-15-1998	Pioneer Hi-Bred International Inc.		
	BI	WO-00/63398-A1	10-26-2000	Rhobio		
W	BJ	WO-01/73084-A2	10-04-2001	Institut Für Pflanzengenetik Und Kulturpflanzenforschung		See Abstract

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NON PATENT LITERATURE DOCUMENTS			
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/LZ/	CA	Potrykus, I., "Gene Transfer to Plants: Assessment of Published Approaches and Results", Annu. Rev. Plant Physiol. Plant Mol. Biol., Vol. 42 (1991), pp. 205-225.	

Examiner Signature	/Li Zheng/	Date Considered	03/29/2007
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/LZ/	CB	Kumlehn, Jochen et al., "Differentiation of Isolated Wheat Zygotes into Embryos and Normal Plants", <i>Planta</i> , Vol. 205 (1998), pp. 327-333.	
	CC	Weeks, J. Troy et al., "Rapid Production of Multiple Independent Lines of Fertile Transgenic Wheat (<i>Triticum aestivum</i>)", <i>Plant Physiol.</i> , Vol. 102 (1993), pp. 1077-1084.	
	CD	Wan, Yuechun et al., "Generation of Large numbers of Independently Transformed Fertile Barley Plants", <i>Plant Physiol.</i> , Vol. 104 (1994), pp. 37-48.	
	CE	Rasco-Gaunt, Sonriza et al., "Procedures Allowing the Transformation of a Range of European Elite Wheat (<i>Triticum aestivum</i> L.) Varieties Via Particle Bombardment", <i>Journal of Experimental Botany</i> , Vol. 52, No. 357 (2001), pp. 865-874.	
	CF	Somers, David A. et al., "Fertile, Transgenic Oat Plants", <i>BioTechnology</i> , Vol. 10 (1992), pp. 1589-1594.	
	CG	Christou, Paul et al., "Stable Transformation of Soybean Callus by DNA-Coated Gold Particles", <i>Plant Physiol.</i> , Vol. 87 (1988), pp. 671-674.	
	CH	Frame, Bronwyn R. et al., "Agrobacterium tumefaciens-Mediated Transformation of Maize Embryos Using a Standard Binary Vector System", <i>Plant Physiology</i> , Vol. 129 (2002), pp. 13-22.	
	CI	Leduc, Nathalie et al., "Isolated Maize Zygotes <i>in Vivo</i> Embryonic Development and Express Microinjected Genes When Cultured <i>in Vitro</i> ", <i>Developmental Biology</i> , Vol. 177 (1996), pp. 190-203.	
	CJ	Kumlehn, Jochen et al., "Zygote Implantation to Cultured Ovules Leads to Direct Embryogenesis and Plant Regeneration of Wheat", <i>The Plant Journal</i> , Vol. 12, No. 6 (1997), pp. 1473-1479.	
	CK	Holm, Preben B. et al., "Regeneration of Fertile Barley Plants from Mechanically Isolated Protoplasts of the Fertilized Egg Cell", <i>The Plant Cell</i> , Vol. 6 (1994), pp. 531-543.	
	CL	Kranz, Erhard et al., "In Vitro Fertilisation of Maize by Single Egg and Sperm Cell Protoplast Fusion Mediated by High Calcium and High pH", <i>Zygote</i> , Vol. 2 (1994), pp. 125-128.	
	CM	Kranz, Erhard et al., "In Vitro Fertilization with Isolated, Single Gametes Results in Zygotic Embryogenesis and Fertile Maize Plants", <i>The Plant Cell</i> , Vol. 5 (1993), pp. 739-746.	
	CN	Meinke, David W., "Perspectives on Genetic Analysis of Plant Embryogenesis", <i>The Plant Cell</i> , Vol. 3 (1991), pp. 857-866.	
	CO	Mogensen, H. Lloyd, "Double Fertilization in Barley and the Cytological Explanation for Haploid Embryo Formation, Embryoless Caryopses, and Ovule Abortion", <i>Carlsberg Res. Commun.</i> , Vol. 47 (1982), pp. 313-354.	
	CP	Evans, D. A. et al., "Protoplast Isolation and Culture" in D. Evans et al., Editors, <i>Handbook of Plant Cell Culture</i> , Macmillan Publishing Company, Vol. 1, 1983, pp. 124-176.	
	CQ	Kranz, E. et al., "In Vitro Fertilization of Single, Isolated Gametes of Maize Mediated by Electroporation", <i>Sex Plant Reprod.</i> , Vol. 4 (1991), pp. 12-16.	
	CR	Mejza, Stephen J. et al., "Plant Regeneration from Isolated Microspores of <i>Triticum aestivum</i> ", <i>Plant Cell Reports</i> , Vol. 12 (1993), pp. 149-153.	
	CS	Köhler, F. et al., "Regeneration of Isolated Barley Microspores in Conditioned Media and Trials to Characterize the Responsible Factor", <i>J. Plant Physiol.</i> , Vol. 121 (1985), pp. 181-191.	
	CT	Engell, Kirsten, "Embryology of Barley: Time Course and Analysis of Controlled Fertilization and Early Embryo Formation Based on Serial Sections", <i>Nord. J. Bot.</i> , Vol. 9, No. 3 (1989), pp. 265-280.	
	CU	Töpfer, Reinhard et al., "Uptake and Transient Expression of Chimeric Genes in Seed-Derived Embryos", <i>The Plant Cell</i> 1 (1989), pp. 133-139.	
✓	CV	Gould, Jean et al., "Transformation of <i>Zea mays</i> L. Using <i>Agrobacterium tumefaciens</i> and the Shoot Apex", <i>Plant Physiol.</i> , Vol. 95 (1991), pp. 426-434.	

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/LZ/	CW	Mooney, Pauline A. et al., "Agrobacterium tumefaciens-gene Transfer Into Wheat Tissues", Plant Cell, Tissue and Organ Culture, Vol. 25 (1991), pp. 209-218.	
	CX	Hayakawa, Takahiko et al., "Genetically Engineered Rice Resistant to Rice Stripe Virus, an Insect-Transmitted Virus", Proc. Natl. Acad. Sci. USA, Vol. 89 (1992), pp. 9865-9869.	
	CY	Wu, Yan et al., "Enzymatic Isolation of Viable Nuclei at the Megaspore Mother Cell stage and in Developing Embryo Sacs in Nicotiana tabacum", Sex Plant Reprod., Vol. 6 (1993), pp. 171-175.	
	CZ	Jürgens, Gerd et al., "Arabidopsis", In J.B.L. Bard, Ed., Embryos, Color Atlas of Development, Wolfe Publishing, London, pp. 7-21.	
	CA1	Potrykus, Ingo, "Gene Transfer to Cereals: An Assessment", Bio/Technology, Vol. 8 (1990), pp. 535-542.	
	CB1	Raineri, D. M. et al., "Agrobacterium-Mediated Transformation of Rice (Oryza sativa L.)", Bio/Technology, Vol. 8 (1990), pp. 33-38.	
	CC1	Hiei, Yukoh et al., "Efficient Transformation of Rice (Oryza sativa L.) Mediated by Agrobacterium and Sequence Analysis of the Boundaries of the T-DNA", The Plant Journal, Vol. 6, No. 2 (1994), pp. 271-282.	
	CD1	Ishida, Yuji et al., "High Efficiency Transformation of Maize (Zea mays L.) Mediated by Agrobacterium tumefaciens", Nature Biotechnology, Vol. 14 (1996), pp. 745-750.	
	CE1	Theunis, C. H. et al., "Isolation of Male and Female Gametes in Higher Plants", Sex Plant Reprod., Vol. 4 (1991), pp. 145-154.	
	CF1	Allington, P. M., "Micromanipulation of the Unfixed Cereal Embryo Sac", in The Experimental Manipulation of Oule Tissues, Longman New York (1985), pp. 39-51.	
	CG1	Datta, Swapan K. et al., "Genetically Engineered Fertile Indica-Rice Recovered From Protoplasts", Bio/Technology, Vol. 8 (1990), pp. 736-740.	
	CH1	de la Pena, A. et al., "Transgenic Rye Plants Obtained by Injection DNA Into Young Floral Tillers", Nature, Vol. 325 (1987), pp. 274-276.	
	CI1	Paszkowski, Jerzy et al., "Direct Gene Transfer to Plants", The EMBO Journal, Vol. 3, No. 12 (1984), pp. 2717-2722.	
	CJ1	Davey, M. R. et al., "Transgenic Rice: Characterization of Protoplast-derived Plants and their Seed Progeny", Journal of Experimental Botany, Vol. 42, No. 242 (1991), pp. 1159-1169.	
	CK1	Fromm, Michael E. et al., "Stable Transformation of Maize After Gene Transfer by Electroporation", Nature, Vol. 319 (1986), pp. 791-793.	
	CL1	Datta, Swapan K. et al., "Embryogenesis and Plant Regeneration from Microspores of Both 'Indica' and 'Japonica' Rice (Oryza sativa)", Plant Science, Vol. 67 (1990), pp. 83-88.	
	CM1	Shillito, R. D. et al., "High Efficiency Direct Gene Transfer to Plants", Bio/Technology, Vol. 3 (1985), pp. 1099-1103.	
	CN1	Rhodes, Carol A. et al., "Genetically Transformed Maize Plants from Protoplasts", Science, Vol. 240 (1988), pp. 204-207.	
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	CP1	Kranz, E. et al., "Angiosperm Fertilisation, Embryo and Endosperm Development in Vitro", Plant Science, Vol. 142 (1999), pp. 183-197.	
	CQ1	Holm, Preben Bach et al., "Transformation of Barley by Microinjection into Isolated Zygote Protoplasts", Transgenic Research, Vol. 9 (2000), pp. 21-32.	
	CR1	Fromm, Michael E. et al., "Inheritance and Expression of Chimeric Genes in the Progeny of Transgenic Maize Plants", Bio/Technology, Vol. 8 (1990), pp. 833-839.	
	CS1	Sanford, John C., "Biolistic Plant Transformation", Physiologia Plantarum, Vol. 79 (1990), pp. 206-209.	
V	CT1	Vasil, Vimla et al., "Herbicide Resistant Fertile Transgenic Wheat Plants Obtained by	

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/LZ/		Microprojectile Bombardment of Regenerable Embryogenic Callus", Bio/Technology, Vol. 10 (1992), pp. 667-674.	
	CU1	Vasil, Vimla et al., "Rapid Production of Transgenic Wheat Plants by Direct Bombardment of Cultured Immature Embryos", Bio/Technology, Vol. 11 (1993), pp. 1553-1558.	
	CV1	Sautter, C. et al., "Micro-Targeting: High Efficiency Gene Transfer Using a Novel Approach for the Acceleration of Micro-Projectiles", Bio/Technology, Vol. 9 (1991), pp. 1080-1085.	
	CW1	Gordon-Kamm, William J. et al., "Transformation of Maize Cells and Regeneration of Fertile Transgenic Plants", The Plant Cell, Vol. 2 (1990), pp. 603-618.	
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	CY1	Becker, D. et al., "Fertile Transgenic Wheat from Microprojectile Bombardment of Scutellar Tissue", The Plant Journal, Vol. 5, No. 2 (1994), pp. 299-307.	
	CZ1	Luo, Zhong-xun et al., "A Simple Method for the Transformation of Rice Via the Pollen-Tube Pathway", Plant Molecular Biology Reporter Vol. 6, No. 3 (1988), pp. 165-174.	
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V	CB2	Thomas, Terry L., "Gene Expression During Plant Embryogenesis and Germination: An Overview", The Plant Cell, Vol. 5 (1993), pp. 1401-1410.	

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/LZ	CA	LEDUC, N., ET AL., "Deleterious effect of minimal enzymatic treatments on the development of isolated maize embryo sacs in culture". Sexual Plant Reproduction (1995), Vol. 8, pp. 313-317.			

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